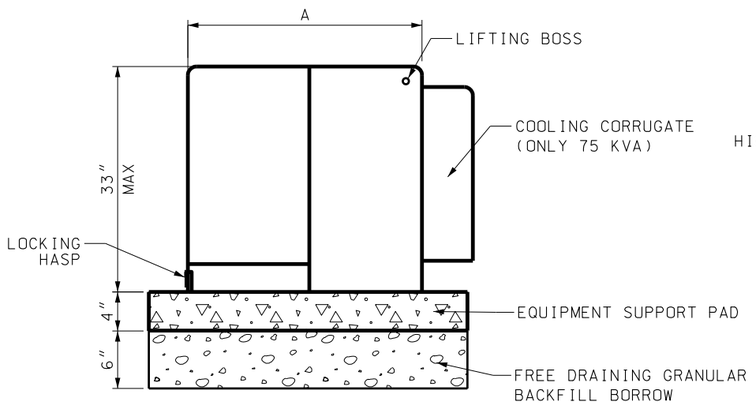
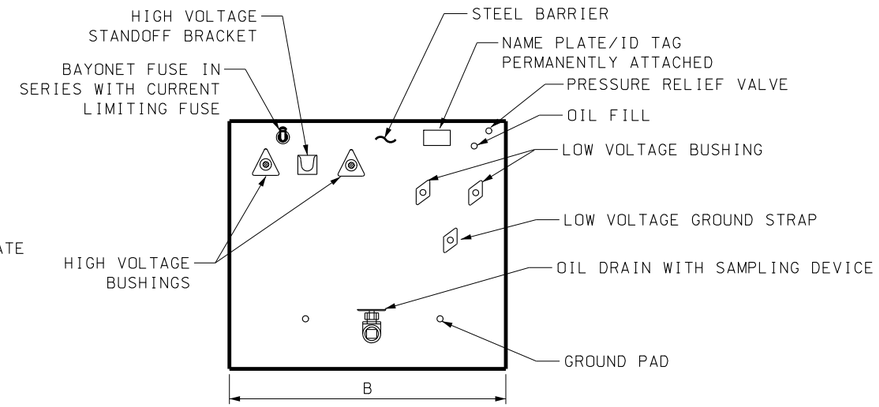
TRANSFORMER DIMENSION		
ITEM	A	B
25KVA	29″	33″
50KVA	31″	33″
75KVA	32.5″	33″

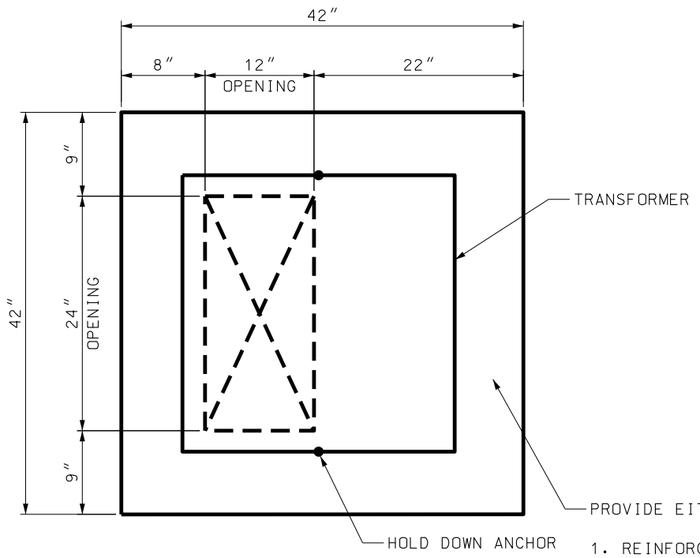
CONFIRM ACTUAL TRANSFORMER DIMENSIONS. IF THEY EXCEED THOSE LISTED. SIZE THE EQUIPMENT SUPPORT PAD ACCORDINGLY.



TRANSFORMER SIDE ELEVATION

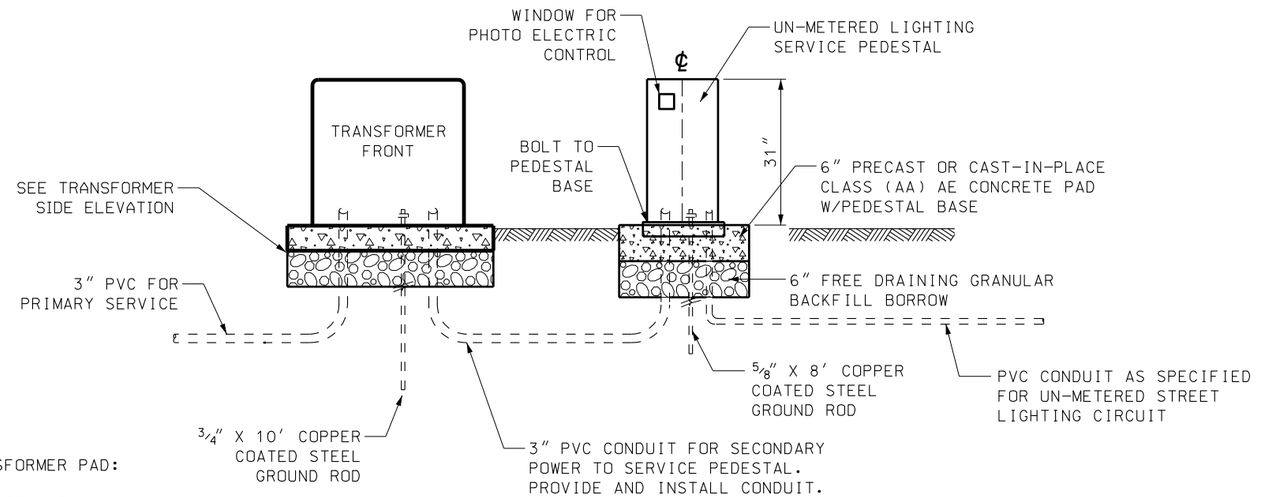


TRANSFORMER FRONT
DOOR OPEN ELEVATION



EQUIPMENT SUPPORT PAD PLAN

1. REINFORCED CONCRETE WITH 6″X6″X10/10 WELDED WIRE FABRIC, 2″ COVER. CAST-IN-PLACE OR PRECAST.
2. PREFABRICATED POLYMER CONCRETE.



NOTES:

1. POWER COMPANY SERVICE POINT. SINGLE PHASE VOLTAGE WITH DISCONNECTING PROVISIONS. POWER COMPANY TO RUN UNDER GROUND CABLE CONNECTION IN CONTRACTOR FURNISHED TRENCH TO TRANSFORMER HIGH VOLTAGE TERMINALS.
   A. CONTRACTOR CONTACTS SERVING POWER COMPANY TO VERIFY PRIMARY VOLTAGE AND TYPE OF CONNECTION.
   B. CONTRACTOR NOTIFIES SERVING POWER COMPANY A MINIMUM OF 24 HOURS IN ADVANCE OF DESIRED POWER SOURCE CONNECTION.
2. LOCATE SERVICE PEDESTAL ON EITHER SIDE OF CONTROLLER FOUNDATION AS SPECIFIED. LOCATION MAY BE MODIFIED TO BEST SUIT FIELD CONDITIONS PER RESIDENT ENGINEER APPROVAL. MAINTAIN 48 INCH MINIMUM CLEARANCE AROUND EACH UNIT WITH DOORS OPENED TO ANY POSITION.
3. LOCATE SERVICE PEDESTAL AND TRANSFORMER SO WATER DRAINS AWAY FROM FOUNDATIONS AND JUNCTION BOXES. SITE PREPARATION INCLUDING GRADING MAY BE REQUIRED BEFORE PLACING EQUIPMENT.
4. PROVIDE UNDERGROUND SERVICE PEDESTAL:
   A. RATED 100 AMP AS SPECIFIED.
   B. PROVIDE FOR SIX FULL SIZE POLES (INCLUDING MAINS) FOR BOTH METERED AND UN-METERED CIRCUIT BREAKER INTERIORS.
   C. USE PLUG-IN CIRCUIT BREAKERS.
   D. LABEL ALL BREAKERS.
   E. FUSE DETACHABLE BASE FOR PRE-INSTALLATION IN CONCRETE FOUNDATION.
   F. SECURE PIANO HINGED DOORS WITH MASTER PADLOCK NO. P-848.

SUPPLEMENTAL DRAWING

REVISIONS			
NO.	DATE	APPR.	REMARKS
1	02/28/08	LM	REVISED ENTIRE DRAWING. CHANGE PREVIOUSLY APPROVED BY STANDARDS COMMITTEE. INCORRECT DRAWING ORIGINALLY PUBLISHED.

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

RECOMMENDED FOR APPROVAL — DATE FEB. 26, 2008 — DEPUTY DIRECTOR

CHAIRMAN STANDARDS COMMITTEE APPROVED — DATE FEB. 26, 2008

SINGLE TRANSFORMER SUBSTATION DETAILS

STANDARD DRAWING TITLE

STD DWG
SL 18

DGN File: L:\Standard Drawings\Imperial\2008Approved\x_Supplemental_Issues\x_Supp\Approved\SL18.dgn
04-MAR-2008